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Fig. 1a

AFPN



- I. AFP gene or Identically functioning gene
- II. Enterokinase recognition site: Asp Asp Asp Lys
gac gac gac aag
- III. Cloning site: GCTCTAGAGGATCCATAGATCT
*Xba*I *Bam*HI stop *Bgl*II

Fig. 1b

AFPC



- I. AFP gene or Identically functioning gene + TAGA TCT
stop *Bgl*II
- II. Thrombin recognition site: Leu Val Pro Arg Gly Ser
c ctc gtt cca cga gga tct
- III. Cloning site: CCATGGCTCTAGAGGATCCA
*Nco*I *Xba*I *Bam*HI I

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Fig. 2a

AFPN: *Nco* I

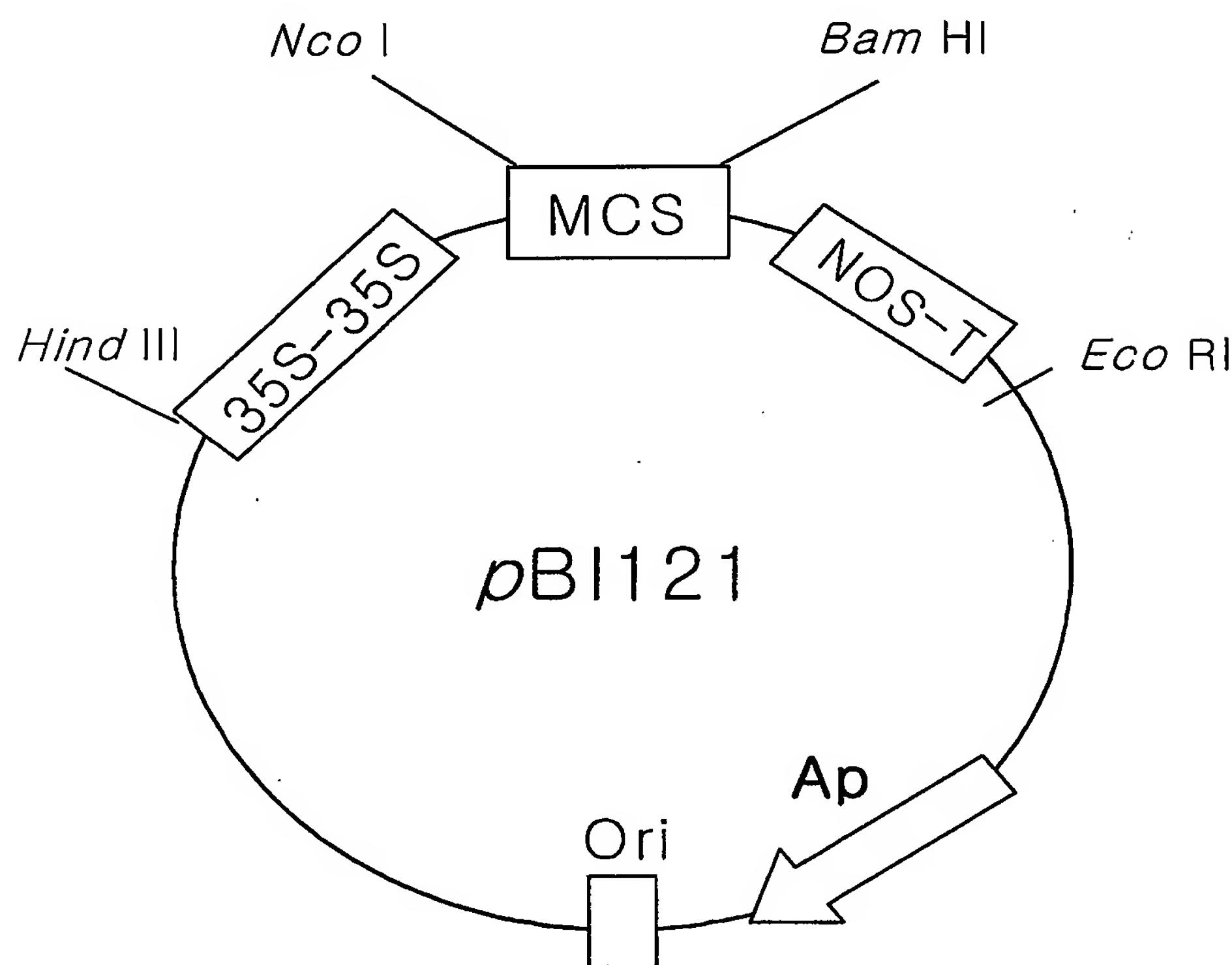
I	II	III
---	----	-----

Bgl II

AFPC: *Nco* I

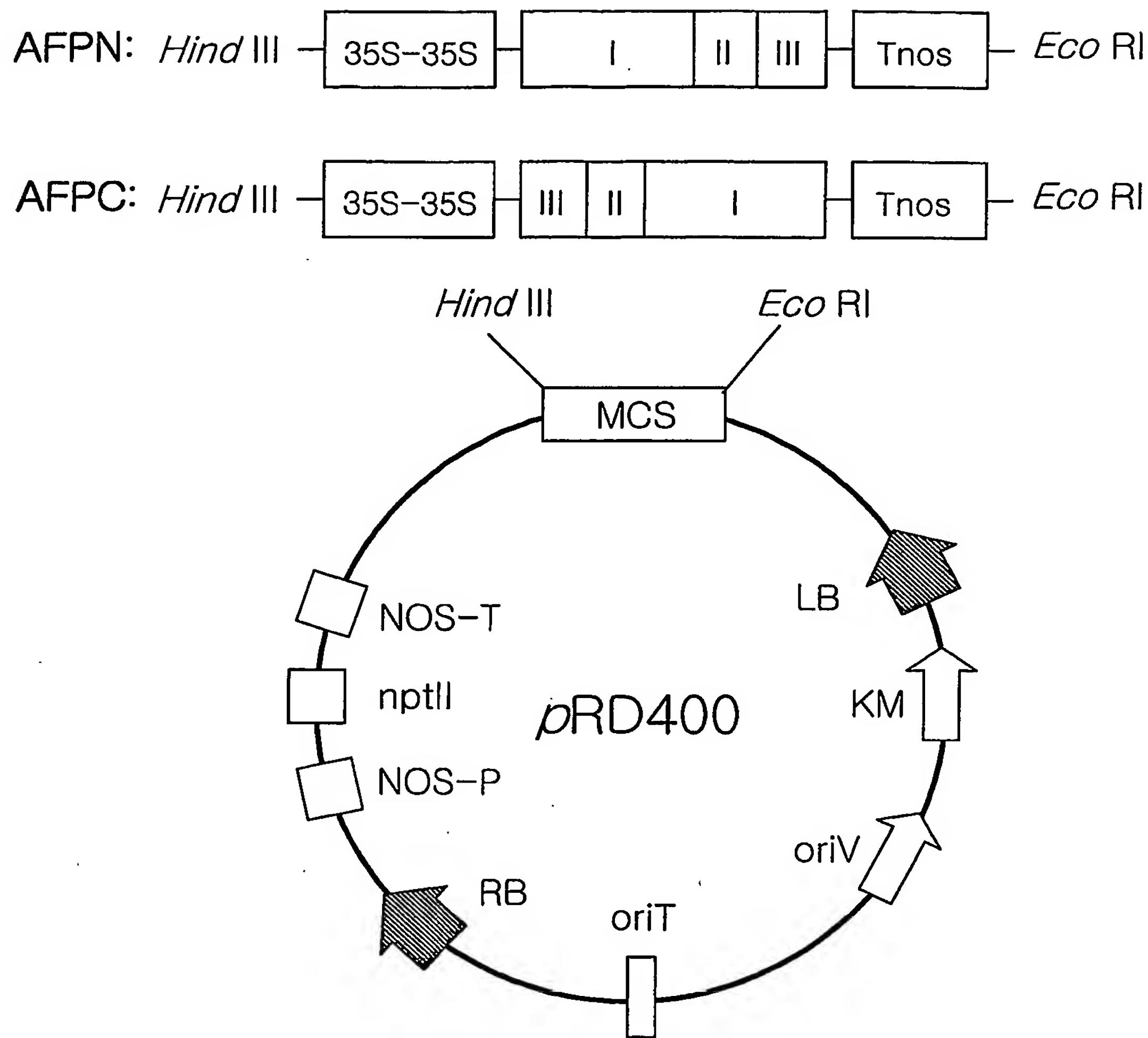
III	II	I
-----	----	---

Bgl II



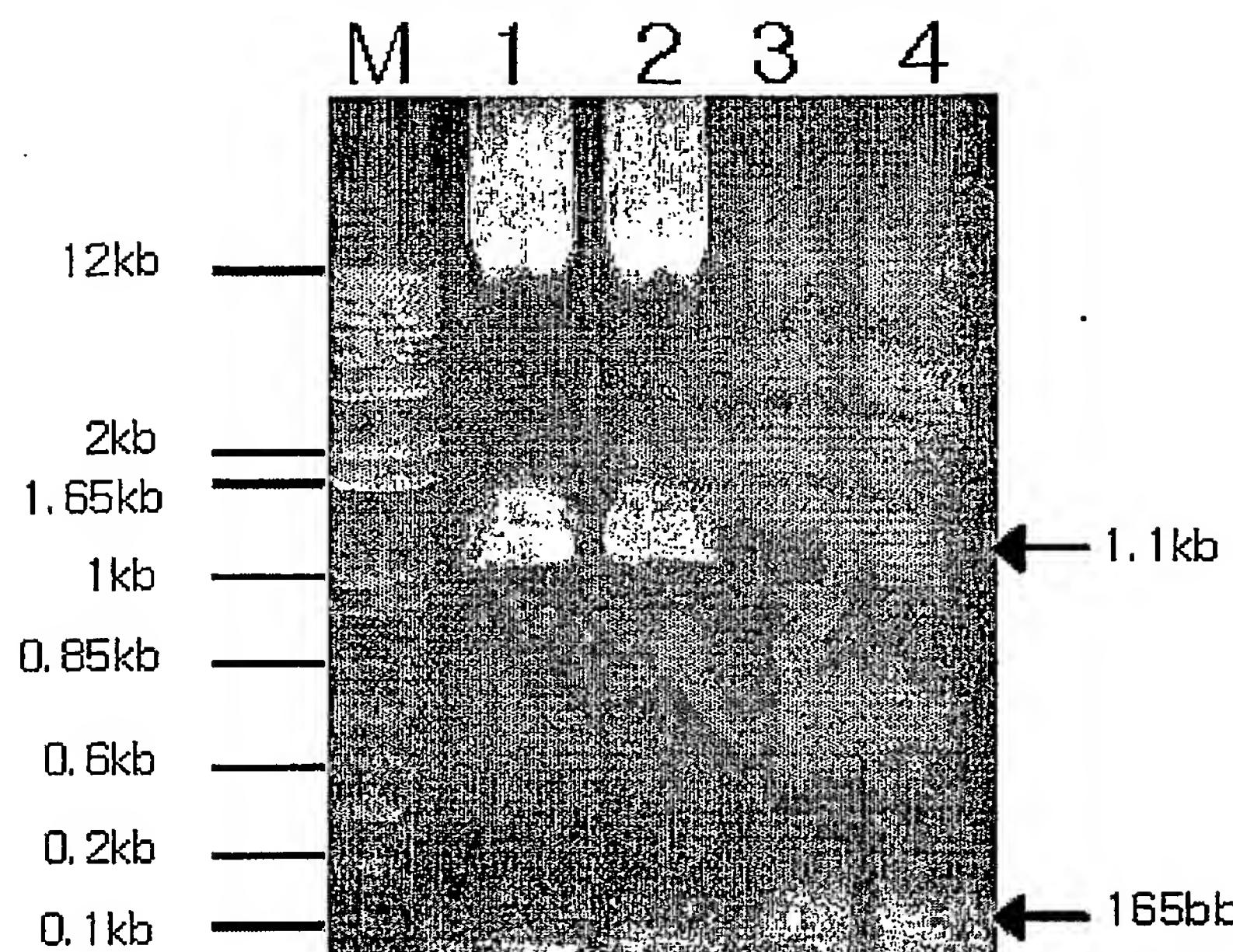
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Fig. 2b



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Fig. 3

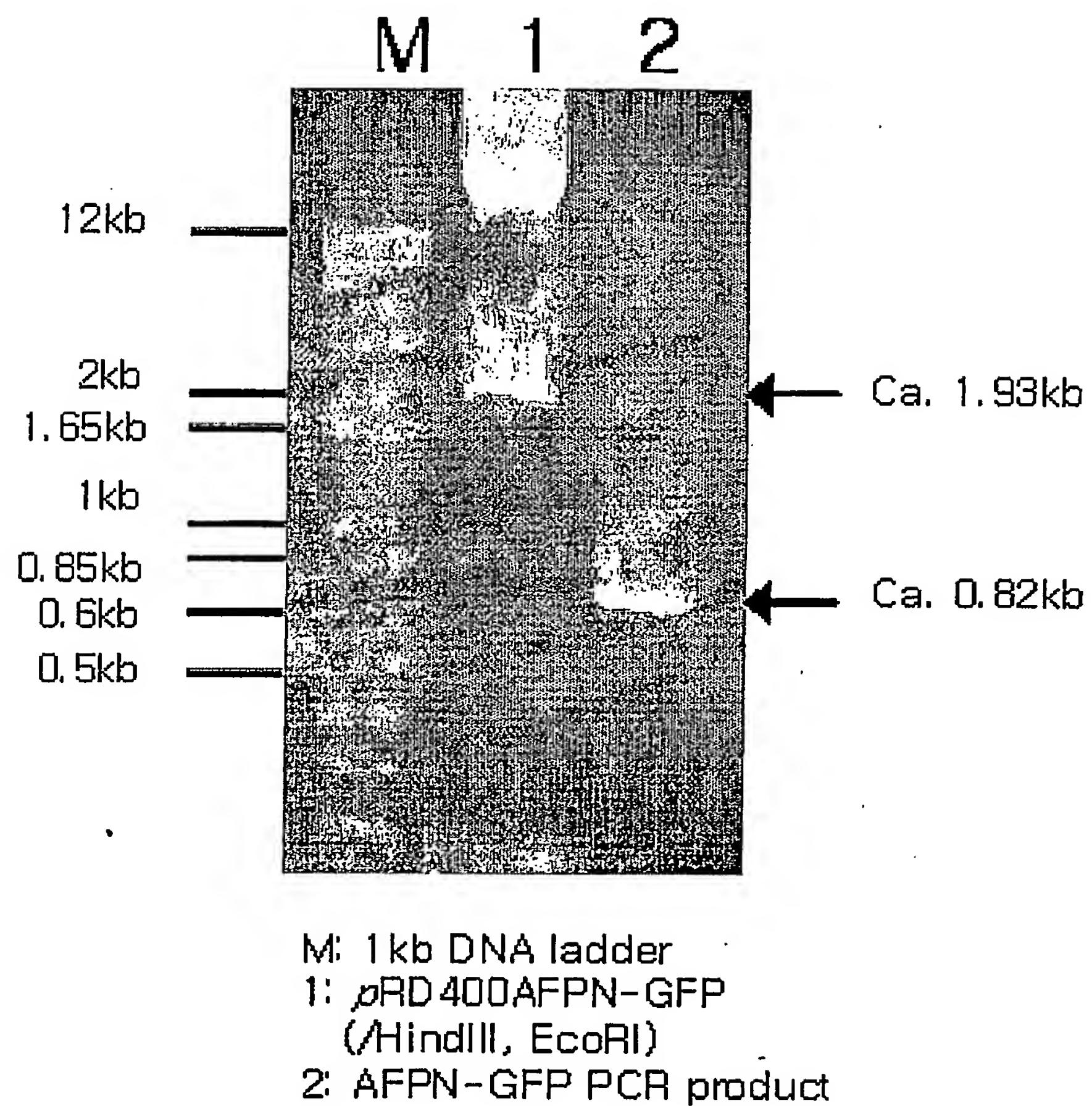


M: 1 kb DNA ladder
1: λ RD400AFPN(/HindIII, EcoRI)
2: λ RD400AFPC(/HindIII, EcoRI)
3: AFPN PCR product
4: AFPC PCR product

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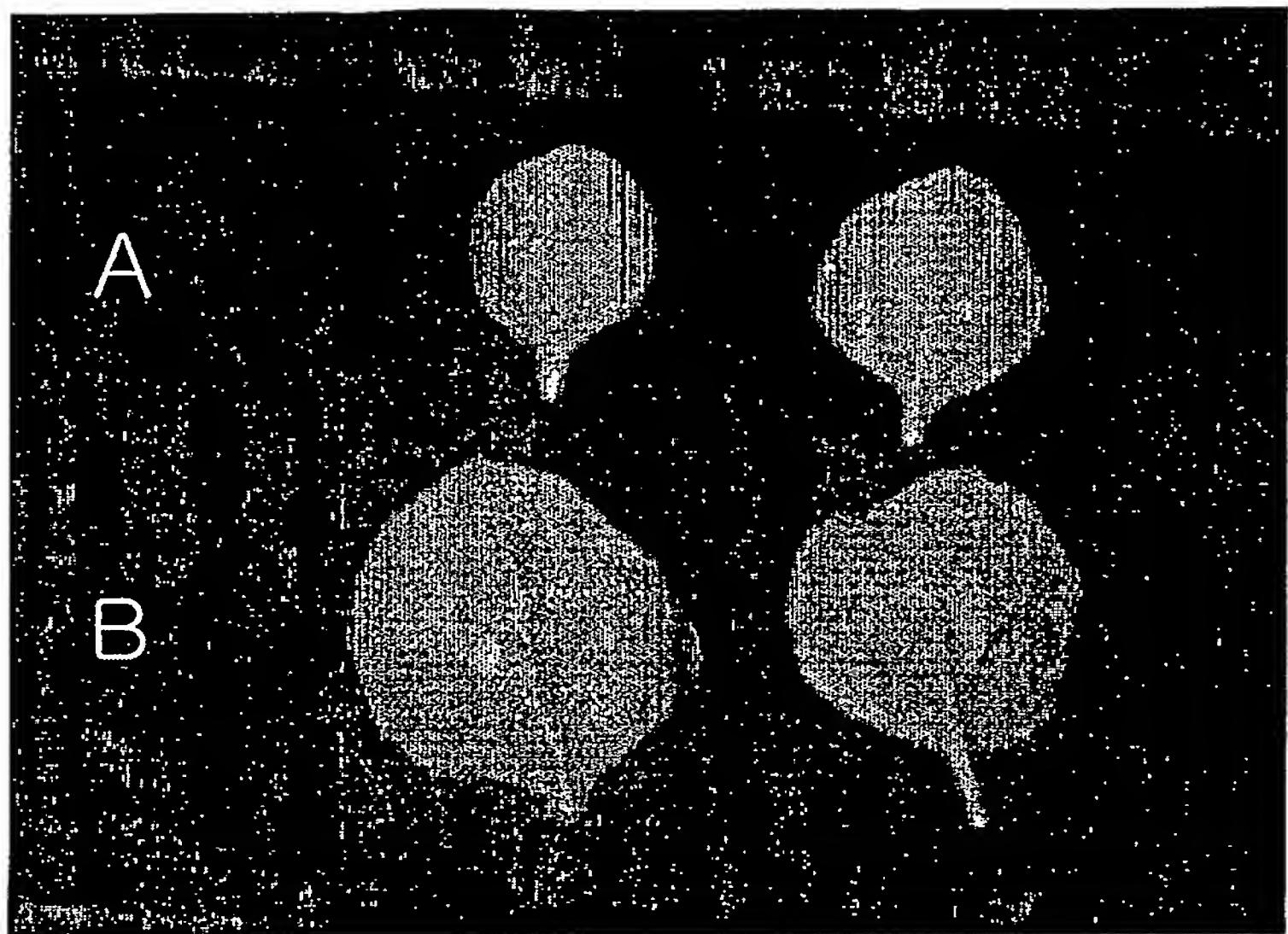
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Fig. 4

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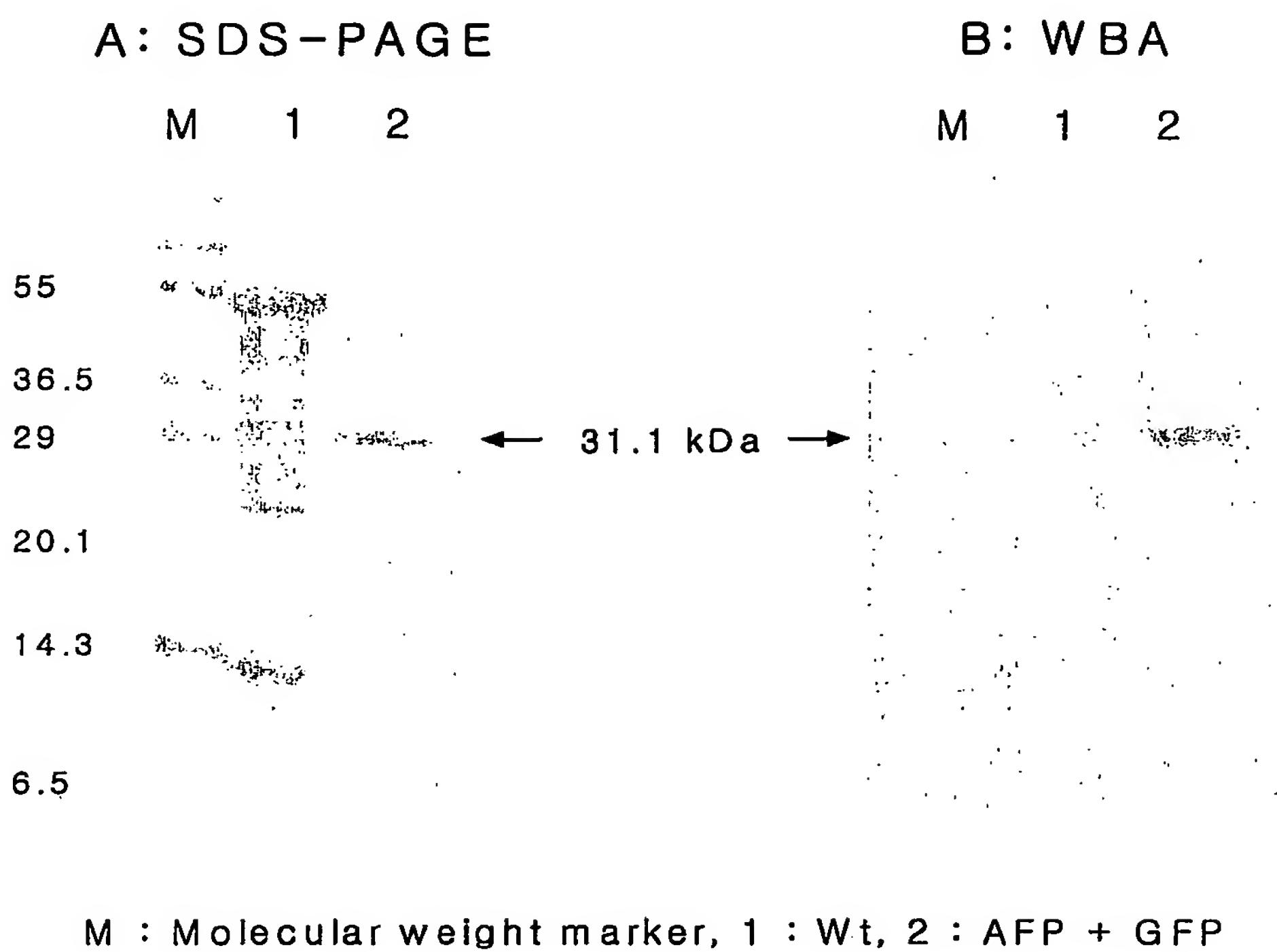
Fig. 5



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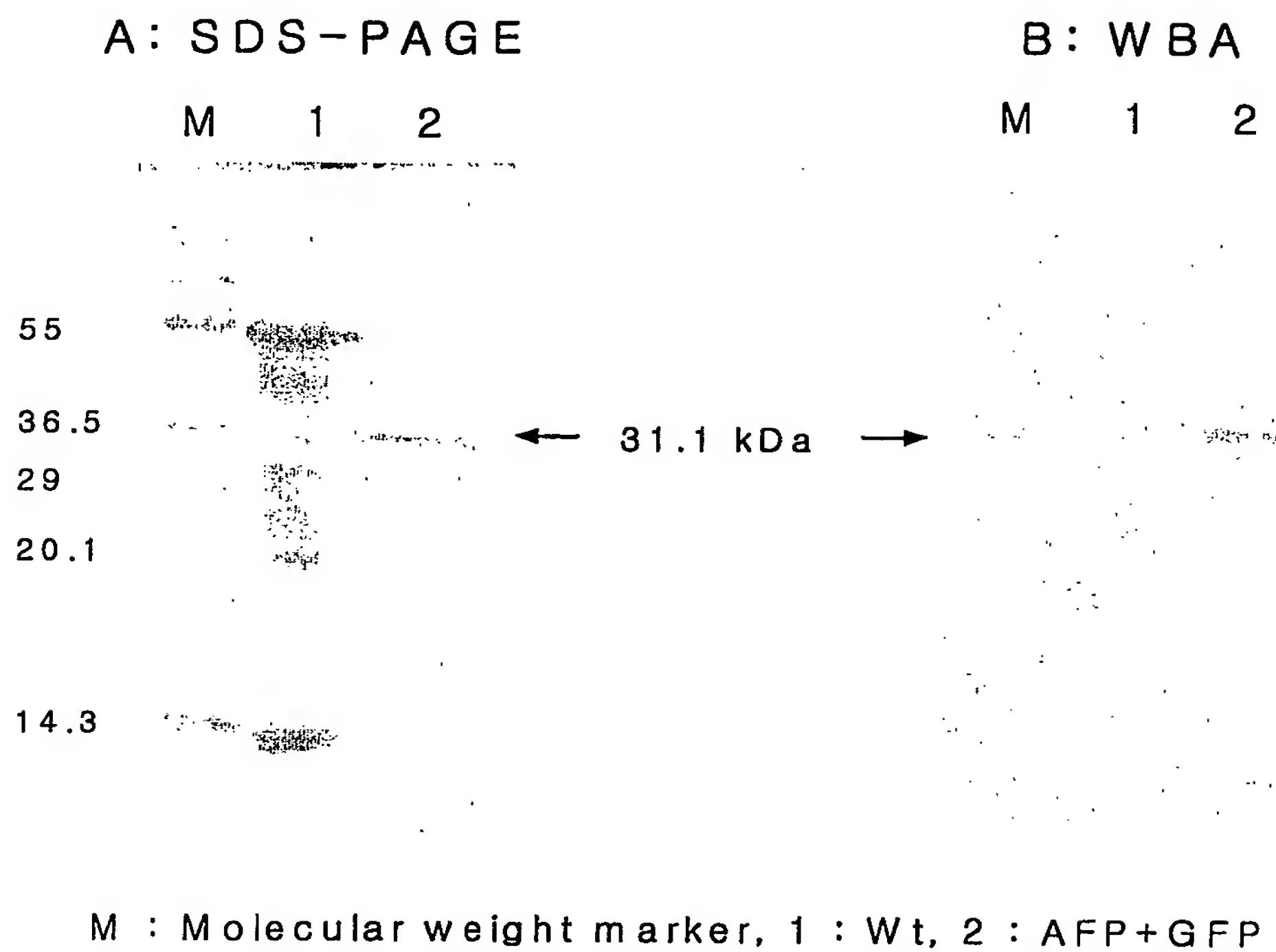
Fig. 6



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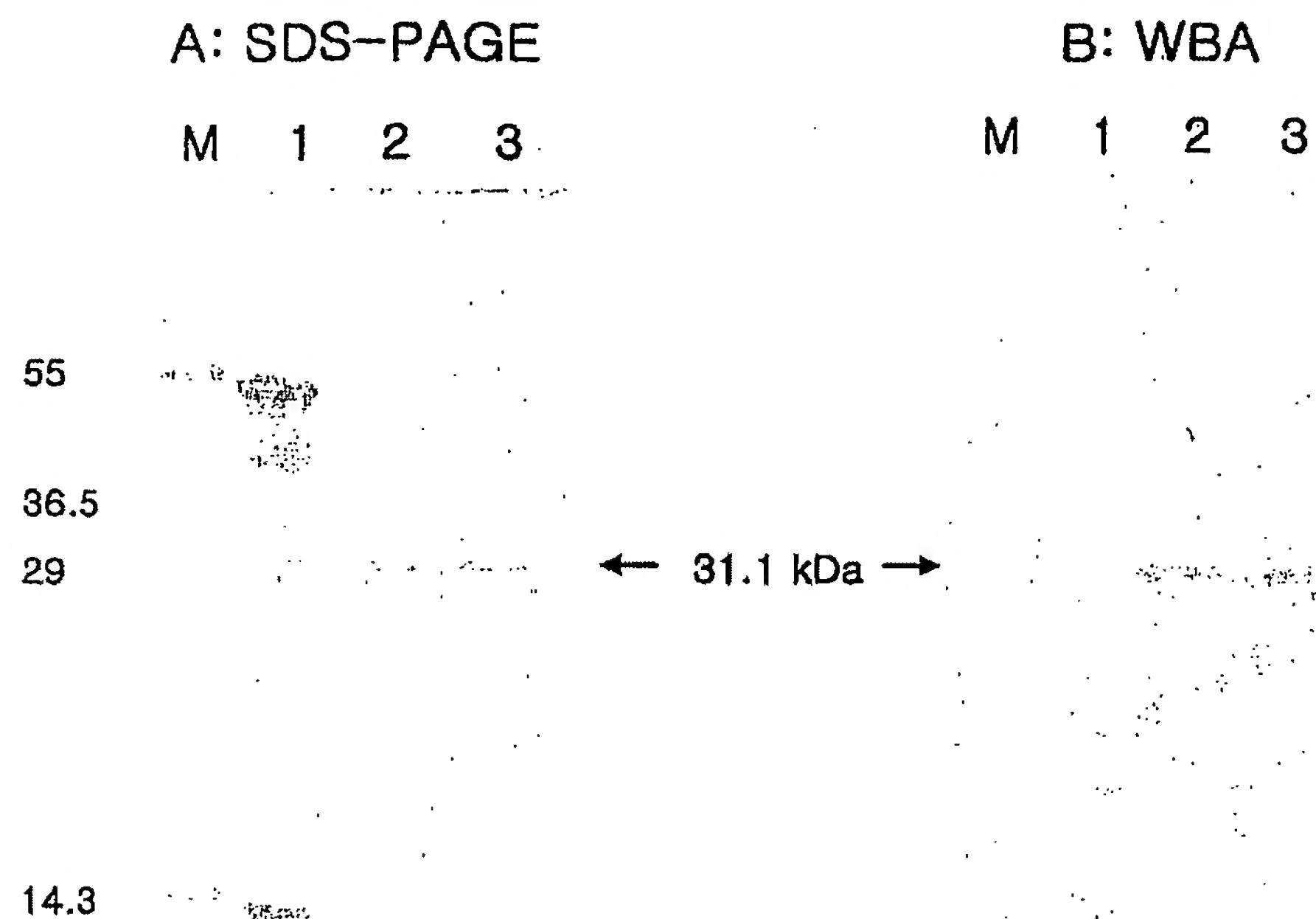
Fig. 7



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Fig. 8

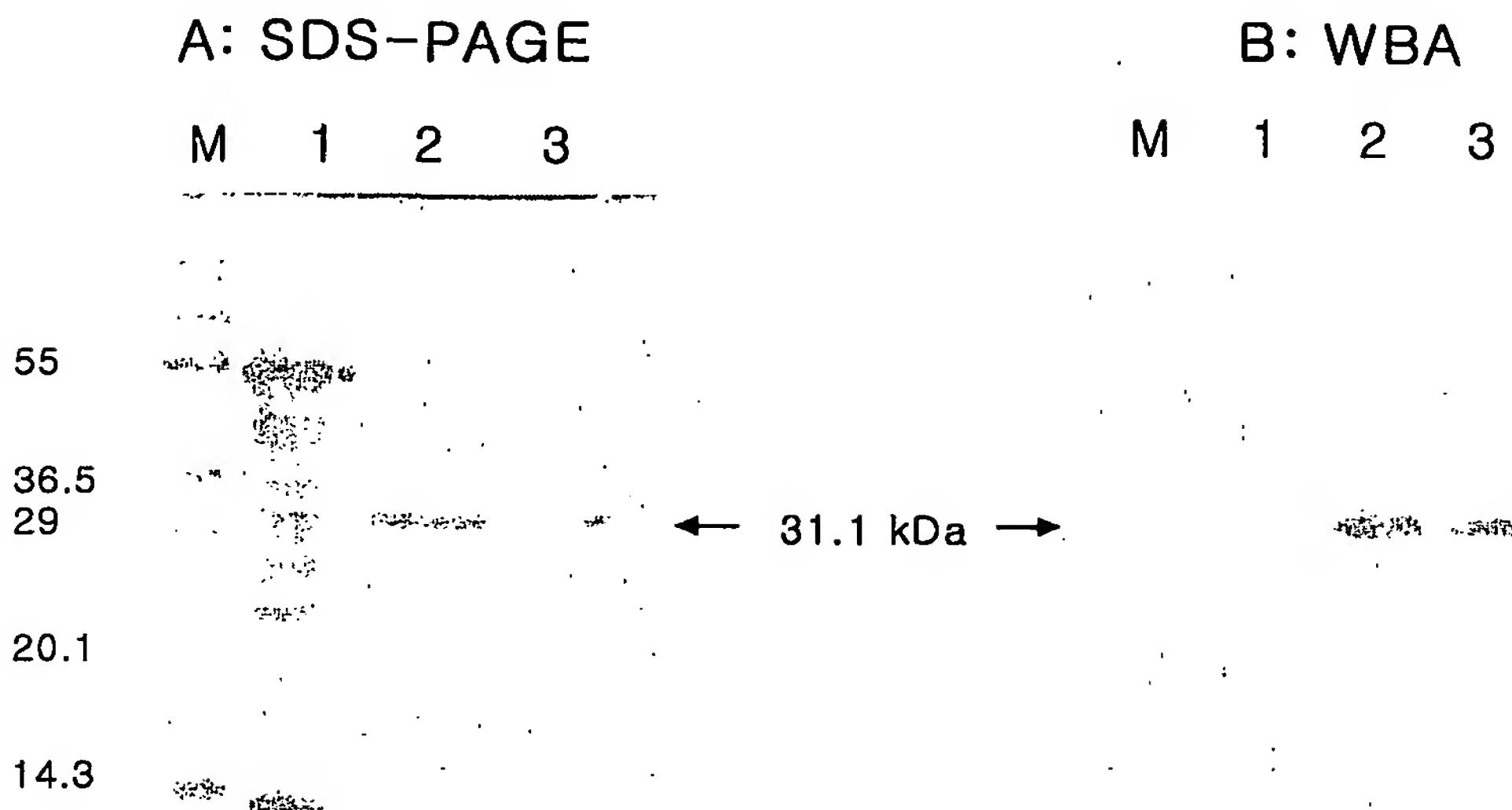


M : Molecular weight marker, 1 : Wt, 2 : AFP+GFP purified using silver iodide
3 : AFP+GFP purified using *Pseudomonas* syringe as ice-nucleation material

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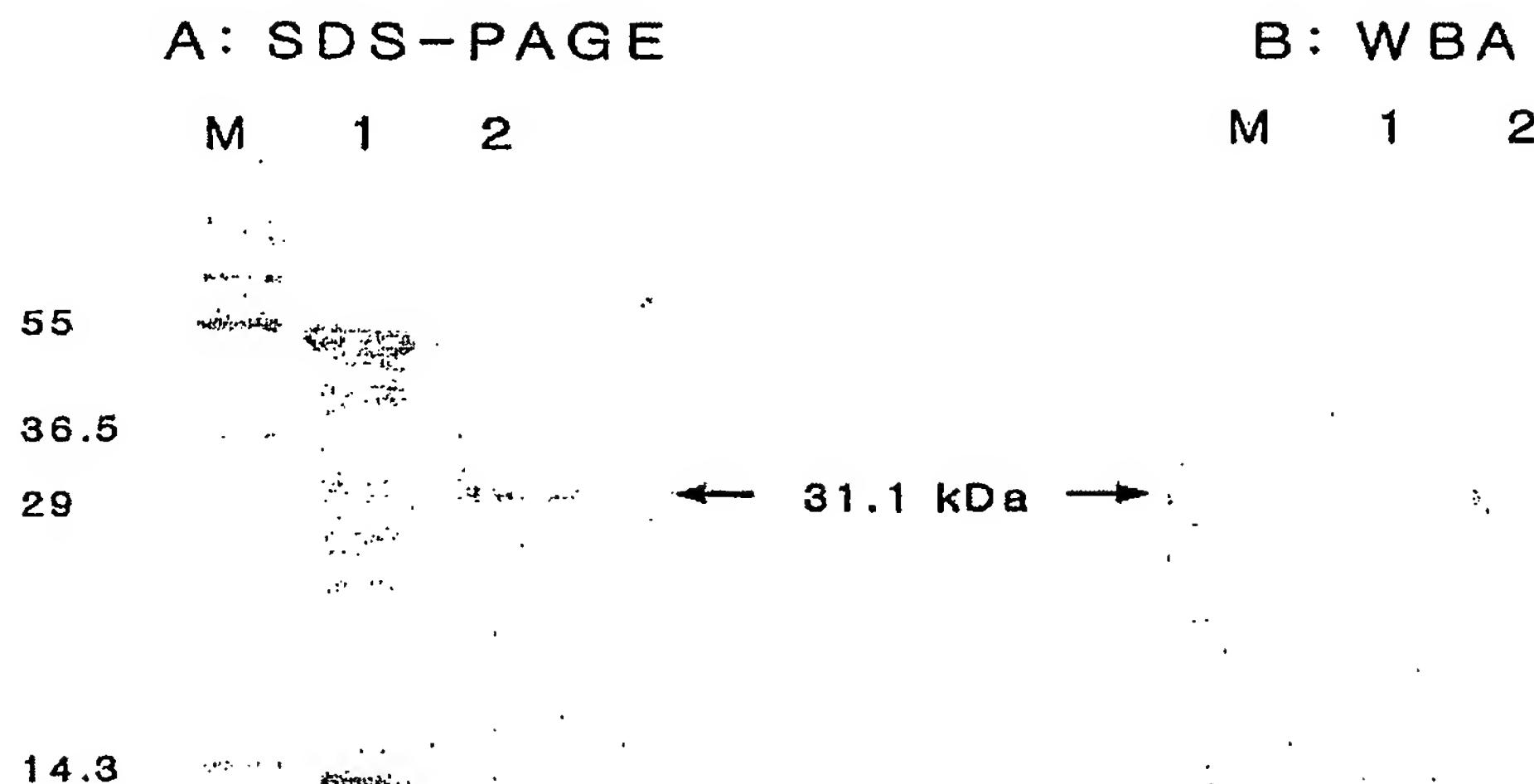
Fig. 9



M : Molecular weight marker, 1 : Wt, 2 : 250 mM Sucrose, 3 : 15% Sucrose

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Fig. 10



M : Molecular weight marker, 1 : Wt, 2 : AFP+GFP purified using a device

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Fig. 11

MDAPAKAAK TAADAKAAAA KTAADALAAA NKTAAAKAA AK